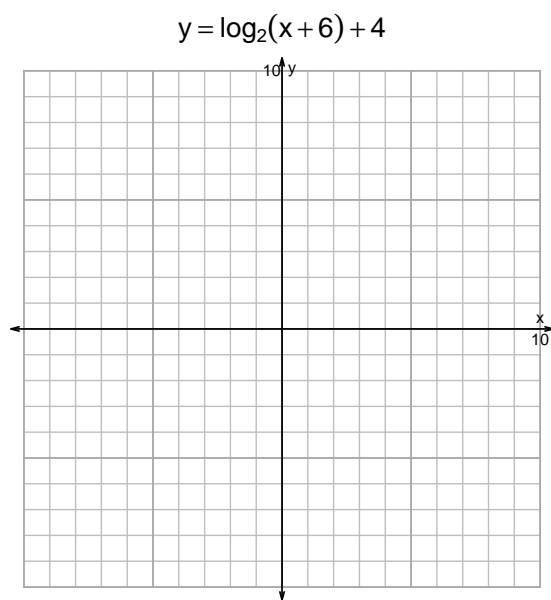
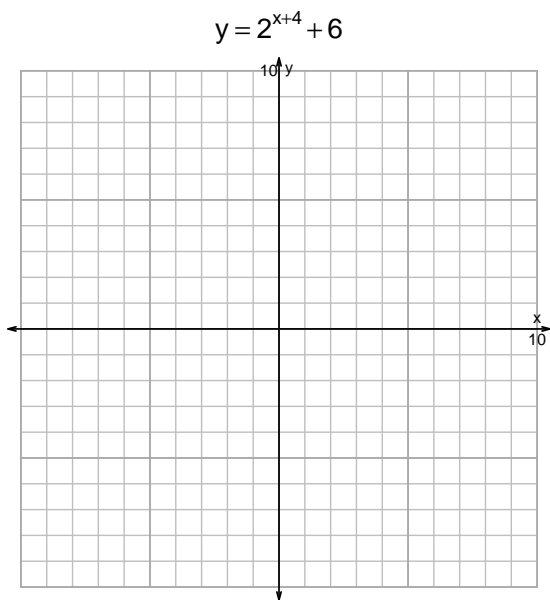


Name: _____

Date: _____

s18QUIZ: EXP LOG (QUIZ v274)

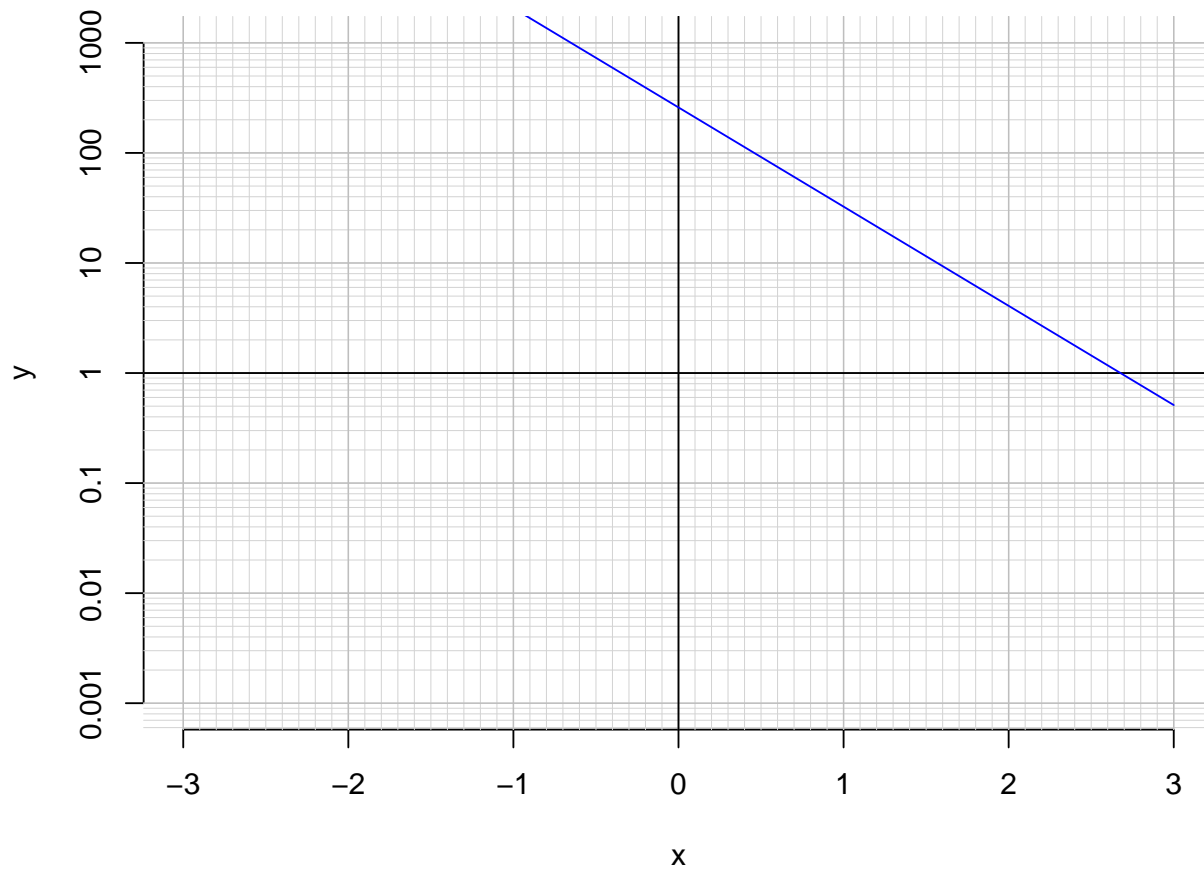
1. Graph $y = 2^{x+4} + 6$ and $y = \log_2(x + 6) + 4$ on the grids below. Also, draw any asymptotes with dotted lines.



2. Write (but do not evaluate) the solution to the equation below by writing a logarithmic expression.

$$-23 = \left(\frac{-4}{3}\right) \cdot 2^{7t/5}$$

3. An exponential function $f(x) = 259 \cdot e^{-2.08x}$ is graphed below on a semi-log plot.



- a. Using the plot above, evaluate $f(0.9)$.

- b. Express $f^{-1}(x)$, the inverse of f .

- c. Using the plot above, evaluate $f^{-1}(900)$.